

## SHOCK ISOLATION SYSTEM

### ABSTRACT OF THE DISCLOSURE

A shock isolation system for reducing the transmission of shocks between first and second devices is provided. The system includes linear bearings assemblies that extend substantially parallel in an axial direction between the first and second devices.

5 Each bearing assembly has a shaft member that is connected to one of the devices and a linear bearing connected to the other of the devices. The linear bearings move axially on the shafts to accommodate relative motion between the devices in the axial direction while restraining rotation therebetween about an axis of the devices. The system also includes isolators that are axially loaded by a relative motion between the

10 devices. The isolators are thereby deformed and reduce the transmission of energy between the devices.

CLT01/4598981v1